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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
09/552,540	04/19/2000	Hisashi Ohtsuka	699866/034	2791	
75	90 05/22/2003				
Strook & Stroock & Lavan LLP			EXAMINER		
180 Maiden Lan New York, NY			RODRIGUEZ,	RODRIGUEZ, ARMANDO	
			ART UNIT	PAPER NUMBER	
			2828		
			DATE MAILED: 05/22/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
•	•	09/552,540	OHTSUKA ET AL.			
•	Office Action Summary	Examiner	Art Unit			
		Armando Rodriguez	2828			
The MAILING DATE of this communication appears n the cover sheet with the corresp ndence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1)🖂	Responsive to communication(s) filed on <u>07 N</u>					
2a)☐	,	s action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)🖾	Claim(s) 1-20 is/are pending in the application					
4a) Of the above claim(s) is/are withdrawn from consideration.						
5)	Claim(s) is/are allowed.		Paulo			
6)⊠	Claim(s) <u>1-20</u> is/are rejected.		PAUL IP			
7)	Claim(s) is/are objected to.	SH	PERVISORY PATENT EXAMINER			
8) Claim(s) are subject to restriction and/or election requirement. TECHNOLOGY CENTER 2800						
Applicati	on Papers					
9)☐ The specification is objected to by the Examiner.						
10) \boxtimes The drawing(s) filed on <u>19 April 2000</u> is/are: a) \square accepted or b) \boxtimes objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11)☐ The proposed drawing correction filed on is: a)☐ approved b)☐ disapproved by the Examiner.						
If approved, corrected drawings are required in reply to this Office action.						
12) The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)[☑ All b)☐ Some * c)☐ None of:					
	1. Certified copies of the priority documents	s have been received.				
	2. Certified copies of the priority documents	s have been received in Applica	ition No			
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
a) ☐ The translation of the foreign language provisional application has been received. 15)☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.						
Attachment(s)						
2) Notice	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Informa	ary (PTO-413) Paper No(s) Il Patent Application (PTO-152)			

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DETAILED ACTION

Response to Arguments

Applicant's arguments with respect to claims 1-20 have been considered but are moot in view of the new ground(s) of rejection.

Drawings

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the solid-state laser resonator and the internal resonator of claim 4 must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1-20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 1 and 4 are rejected under 35 U.S.C. 112, second paragraph, as being incomplete for omitting essential elements, such omission amounting to a gap between the elements. See MPEP § 2172.01. The omitted elements are: applicant recites an

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internal resonator having a length, however has failed to define the structure of the resonator being that the internal resonator is essential to the claimed invention.

Regarding claims 7,12,14 and 19,

It is not clear within the claim language how the absorption band is detected or determined, no structure has been recited for the laser system to perform such a function.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

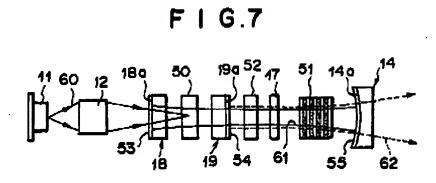
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Okazaki (PN 5,671,240).

Figure 7 illustrates a solid state laser having a laser (11), a lens (12) and a resonators comprised of coatings (53), (54) and (55) as described in the table of column 3. The solid-state resonator formed by coatings (53) and (54) includes a gain medium (50) and a ¼ wave plates (18), (19). The resonator formed by coatings (54) and (55) includes an etalon (17), crystal (51) for wavelength conversion and a calcite crystal (52) as described in columns 5 and 6. Column 5 lines 45-47 disclose the resonator as being 15 mm.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Armando Rodriguez whose telephone number is (703) 308-6218. The examiner can normally be reached on 10-hour day / M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paul Ip can be reached on (703) 308-3098. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7721 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-

4881.

rmando Rodriguez

Examiner

Art Unit 2828

AR/PI May 18, 2003

Supervisor

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